Fire Prevention Planning CHECKLIST for Construction, Renovation or Demolition Projects

[ ] Designers and contractors working on new construction, renovations or demolition projects at the University of Pittsburgh are familiar with University Standards and International Fire Code Chapter 14; International Building Code Chapter 33; and NFPA 241, 70 and 3.

[ ] Fire Prevention Plan, as outlined below, to be submitted by contractor/construction manager to Facilities Management with the intended scope of work.

Fire Alarm Systems

[ ] Review existing fire alarm system and document impact to smoke detectors, heat detectors, workflow switches for the sprinkler system, valve tamper switches, pull stations, and all notification devices (horns/strobes/speakers).

[ ] List the type and location of any devices that are not in operation.

[ ] Describe “minimal level” of detection: pull stations at both the primary and secondary egress points and notification devices in the work zone.

[ ] Describe process for temporarily bagging any smoke detectors in and adjacent to the work zone.

[ ] Confirm the removal of any devices on the fire alarm system has not affected adjacent areas and proper operation of the fire alarm system (or loop).

[ ] Describe the coordination of any needed fire alarm panel programming changes.

[ ] Describe when and how a fire watch will be established, as applicable.

Fire Protection Systems

[ ] Review the existing fire protection systems and document the impact to sprinkler systems, fire hose standpipe systems, and fire pumps (including the controller and back-up emergency generators).

[ ] Verify portions of the sprinkler system are operational within the work zone.

[ ] List the location of any areas where the sprinklers will or have been removed from service. For these areas describe the following:

[ ] Temporary smoke detection as programmed into the fire alarm panel.

[ ] Temporary smoke detectors in and adjacent to the work zone: bagged and the bags removed at the end of each shift.

[ ] When and how a fire watch has been established.

Other Precautions

[ ] List the designee or Program Superintendent responsible to implement and supervise the Plan.
[ ] Describe the installation of any new equipment, suspended ceilings, walls, cabinets, shelving, signs/displays or other items that may obstruct existing sprinkler heads, fire alarm initiating and/or notification devices, fire hose cabinets, fire extinguishers, or EXIT signs.

[ ] Describe coordination with the Project Manager of all scheduled or emergency outages to the fire alarm and fire protection systems.

[ ] Describe any removal or addition of fire alarm initiating and detection devices and fire protection components.

[ ] Review all fire precautions listed in the University document for Fire Prevention Planning.

**Fire Department Access**

[ ] Describe any alterations to Fire Department access patterns.

[ ] Describe any alterations to the building’s Fire Department connections.

[ ] Describe any alterations in access to fire hydrants and the building’s Fire Department connections.

[ ] Describe the unobstructed path from the exterior through the interior of the building to the work zone to be maintained for fire fighter access.

**Means of Egress**

[ ] Describe the two means of egress maintained from the work zone. If only one means of egress can be provided, this requires approval by the AHJ.

[ ] For the occupied areas of the building, describe any impacts to existing egress paths.

[ ] Provide a plan for any necessary revision to EXIT signage or egress.

**Fire Protection System Testing**

[ ] List all fire protection and fire alarm system installations or modifications that require acceptance testing.

**New Building Construction or Demolition**

Describe any of the following items that may be applicable to the project (any require AHJ approval):

[ ] Installation or modification to any required standpipe systems

[ ] Provision of temporary or permanent water supply

[ ] Protection of pedestrians

[ ] Protection of adjoining property

[ ] Temporary use or closing of public streets